

Date: Tue, 20 Jul 93 08:59:55 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #879  
To: Info-Hams

Info-Hams Digest                      Tue, 20 Jul 93                      Volume 93 : Issue    879

Today's Topics:

          Algonquin 150' Dish EME Tests  
            ARRL policymaking  
            Call for papers  
            Create Antenna  
            Info on Icom P2AT  
          Isoloop 10-30 and Super Hi-Q 10-30 antennae  
          Missing Daily Solar Geophysical Data Broadcasts  
          Nee a program to convert TD to LAT/LON (loran)  
            Public Relations  
            TNC keys DJ-580  
          TS-50, type-acceptance  
            TS50  
          TS50 Illegal! (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 20 Jul 93 13:32:42 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Algonquin 150' Dish EME Tests  
To: info-hams@ucsd.edu

FOR IMMEDIATE RELEASE

VE30NT 46-m (150') Dish to be Active on EME

The Toronto VHF Society, using the callsign VE30NT, will use the 46-m

(150') diameter radio telescope at Algonquin Provincial Park (grid FN05xw) during this year's A.R.R.L. International EME Competition.

VE30NT will be active the full weekend of each contest period, October 9/10 and November 6/7, 1993. Below is the schedule of operations:

Date	VE30NT TX Freq.	Listening range	Approx. times (UTC)
Oct 9	432.050	432.050 - 432.060	0445-1830
Oct 10	144.029	144.025 - 144.030	0550-1900
Nov 6	432.050	432.050 - 432.060	0340 1700
Nov 7	1296.050	1296.050 - 1296.060	0450-1730

VE30NT will operate "split" and we ask that stations avoid calling us on our transmit frequency. VE30NT will transmit and receive with left-hand circular-polarization (LHCP) off the dish on all bands. This means that after reflection from the Moon, signals will be right-hand circular polarized (RHCP). This will permit us to work stations with vertical, horizontal, or RHCP polarization. VE30NT will transmit at the legal power limit on 144 and 432 MHz and 100 watts on 1296. Power amplifiers and receiving preamps are located at the dish feed.

As users of a non-amateur antenna, we will not be in competition with other stations. Our intention is to provide an initial EME contact for as many stations as possible. Consequently, we strongly discourage duplicate or "insurance" contacts. Operation will be primarily on CW, although SSB might be employed depending on signal strength and number of stations calling.

All operation will be "random" format, meaning that VE30NT will accept no skeds. If conditions are poor, we will use a 30-second sequence in which VE30NT transmits the first 30 seconds and listens during the second 30 seconds of each minute. Note that this is NOT the usual sequence for EME skeds.

VE30NT will maintain HF liaison on 14.345 during daylight hours and on 3.818 at night.

We anticipate being able to work OSCAR-class stations with 100 watts of output power on 144 and 432 MHz; 25 watts should be sufficient on 1296. Photographs and technical information concerning the dish and VE30NT's operation will be presented by W9IP and VE3ASO at the Central States VHF Conference and the Eastern VHF/UHF Conference.

For clarification, contact Dennis Mungham VE3ASO (613) 998-7330/989-2339 or Michael Owen W9IP (315) 379-0161/379-5975. QSL to VE30NT (Callbook address).

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Date: 20 Jul 93 13:13:23 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ARRL policymaking  
To: info-hams@ucsd.edu

>and the League ramed the no-code issue down its member's throats on  
>August 21, 1989, when the ARRL filed their petition for codeless class of  
>amateur license? How many members had an opportunity to choose their board

Michael, old chap, i daresay you are rather uninformed as to the sequence of events relating to the 2/14/91 rules changes for the Technician class amateur radio license.

The FCC waited for the ARRL to make it's proposal, but in the end, they went with the QCWA proposal. The league proposal, in my view, would have been a failure as it would have only allowed operation on bands that are only moderately populated in even the large cities.

in general the ARRL has been taking it on the chin on some major rulemakings recently - the code-free tech being only one of them. It also appears to me that the ARRL has been busy making changes in "things" since their proposal wasn't just rubber-stamped into the regs as might have happed years ago. I think they've come a long way to getting some vitality back into the organization that was not there even 10 years ago.

So, Mike, you should be happy with the Tech outcome because the ARRL didn't get their way.

I don't my way a lot of times either -- I still liked "Subversive Radio Network" over "Space Coast Amateur Technical Group" but you have to pay attention to one's political well-being. Maybe when things settle down it'll be time to try to start up the midnight math and particle physics net again.

bill wb9ivr

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Date: 20 Jul 93 10:08:03 EDT  
From: psinntp!arrl.org@uunet.uu.net  
Subject: Call for papers  
To: info-hams@ucsd.edu

The ARRL Technical Department issues a call for articles for Volume 4 of the popular Antenna Compendium series.

Manuscripts should describe practical, readily reproducible antenna

projects of general interest, or should describe computer modeling of antennas, transmission lines, matching networks or propagation. Mathematic or computer modeling (validated by actual measurements of practical antennas) is encouraged. Please send a detailed description or outline before writing final article to Dean Straw, N6BV, Senior Assistant Technical Editor at ARRL HQ. The deadline for submission is Dec.1, 1993. An Author's Guide is available.

NOTE: Dean does not have access to Internet at the present time.  
If you wish to email questions or comments, send them to sford@arrl.org and I will relay.

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Date: 20 Jul 93 14:47:47 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Create Antenna  
To: info-hams@ucsd.edu

A friend is considering the Create VLP-5130-1 VHF/UHF antenna. Has anyone had experience with this antenna? Any comments, good or bad, appreciated.

Thanks,  
Kris, AA5UO  
mrz@aud.alcatel.com

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Date: Tue, 20 Jul 1993 13:27:25 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
darwin.sura.net!rsg1.er.usgs.gov!dgg.cr.usgs.gov!bodoh@network.ucsd.edu  
Subject: Info on Icom P2AT  
To: info-hams@ucsd.edu

In article <22foc0INNm44@uwm.edu>, pachner@csd4.csd.uwm.edu (Thomas Jay Pachner) writes:

|> I have an opportunity to pick up an Icom P2AT for a real reasonable price.  
|> (he needs the money). I know it does out of band receive, but what about out  
|> of band transmit so I could use it on low power for business band, or for  
|> marine communications. Thanks for info. you might have.  
|>  
|> --  
|> =====  
|> Thomas Jay Pachner -- Music Major, Bassist, and Amateur Operator (soon)  
|> University of Wisconsin - Milwaukee - pachner@csd4.csd.uwm.edu  
|> Amateur Call Sign: Somewhere between Milwaukee and Gettysburg

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You cannot LEGALLY use a 2M rig on anything other than Amateur 2M frequencies because it is not type accepted by the FCC for use on those bands. It may work and it may work as well as a radio designed for use on those bands. It in fact may be identical to a rig that is type accepted - except for jumpers which limit the band. Even if it is the same unit - the units sold as 2M transceivers are not type accepted for business/marine/public service and will earn you an FCC fine if you are caught. I suppose you could even lose your (pending) amateur license...

++++  
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0X?? (in the mail) +  
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198 (605) 594-6830 +  
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)

+

+ "Welcome back my friends to the show that never ends!" EL&P

+

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Date: 20 Jul 93 16:06:54 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Iso-loop 10-30 and Super Hi-Q 10-30 antennae  
To: info-hams@ucsd.edu

Hi,

A friend of mine wants your input on performance and experience with  
AEA's Iso-loop 10-30 and  
MFJ's Super Hi-Q 10-30 loop  
antennas.

I will be happy to summarize the responses.

Thanks and 73.

Tom Jennings, kv2x

jennings@abb.com

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Date: 20 Jul 93 16:15:48 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Missing Daily Solar Geophysical Data Broadcasts  
To: info-hams@ucsd.edu

Recently the Daily Solar Broadcast has been sporadic on the Info-Hams digest. If anyone else keeps the 10.7cm Solar Flux daily values, I am missing the information for the following days:  
July 10, 16, 17, 18.

If anyone has this information it would be greatly appreciated.

Thanks and 73s - Warren

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Warren E. Lewis	saswel@unx.sas.com
Graphics Division	(919) 677-8001 x6542
SAS Institute Inc.	PP-ASEL
Cary, NC	KD4YRN DOD#0021

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Date: 20 Jul 93 07:22:04 CDT  
From: timbuk.cray.com!walter.cray.com!jwl@uunet.uu.net  
Subject: Nee a program to convert TD to LAT/LON (loran)  
To: info-hams@ucsd.edu

I have a loran unit that is giving me funny results when I try to enter TD locations. Seems to think a location off of Destin, FL in TD is really 99 deg N by 159 deg E. Since I have the TD locs and don't have a chart up here, I had hoped that there was a program somewhere out there to do the conversion. Anyone know of such software available via anonymous ftp?

Please reply via email. <jwl@cray.com>

Thanks, Jim.

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Jim Lynch, Sales Analyst, Cray Research, Inc. / ARS: K4GV0  
Southeast District, Phone: (404) 631-2254, Email: jwl@sedist.cray.com  
Suite 270, 200 Westpark Drive, Peachtree City, GA 30269

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Jim Lynch, Sales Analyst, Cray Research, Inc. / ARS: K4GV0  
Southeast District, Phone: (404) 631-2254, Email: jwl@sedist.cray.com  
Suite 270, 200 Westpark Drive, Peachtree City, GA 30269  
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Date: 20 Jul 93 13:48:58 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Public Relations  
To: info-hams@ucsd.edu

>The bottom line is this: what can the ARRL do to improve the general  
>public's image of Amateur Radio? What *\*should\** the League do? More  
>importantly, what can *\*you\** do?  
>73, Jeff

something i've been meaning to check into but haven't is the section in most  
yellow pages describing local activities. The YP here calls 'em "Community  
Interest Pages". Major headings:

- Newcomer Information
- Senior Citizens
- Fun Side
- Zip Codes
- Calendar of Events (things up to about 1.5 years in advance..)
- Area Map
- Hurricane Preparedness
- Airport

Certainly local hamfests should be listed in the Calendar of Events (ours has  
shuttle launches in there but after a fashion, it's a bit futile...). maybe  
even some club references in the "Fun Side" or "Senior Citizens" sections.

bill wb9ivr

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Date: 20 Jul 93 13:45:16 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: TNC keys DJ-580  
To: info-hams@ucsd.edu

Warren, KD4YRN, complains that his TNC will not key his DJ-580. He says  
he tried "various values" of R & C.

Warren - You didn't say what values you tried. I found that with a PacComm Tiny-2  
(quite a nice box) I required a resistor no larger than 2.7K to get my DJ-580  
to key. As I recall, the recommended value was 5K, but that didn't work. I  
didn't fool around with a capacitor, and I didn't use the recommended 3-pin  
connector (available where?), so I'm probably wasting some power by shorting  
the mike power limiting resistor to ground. But it keys fine, it runs for a  
long time on a battery charge, and the radio doesn't get very hot. Try a smaller  
pull-down resistor. (Not too small, though!)

AXM  
kd1ik

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Date: 20 Jul 1993 13:55:03 GMT  
From: noc.near.net!jericho.mc.com!fugu!levine@uunet.uu.net  
Subject: TS-50, type-acceptance  
To: info-hams@ucsd.edu

In article 107207@locus.com, dana@lando.la.locus.com (Dana H. Myers) writes:  
>In article <22ei3e\$d50@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard  
Rosenfeld) writes:

>>I think that the point here is that maybe Kenwood forgot (?) to install  
>>a diode in the radio that prevents it from transmitting out of the ham  
>>bands "OUT OF THE BOX."

>  
>[remainder deleted]

>  
>I would be surprised that shops are being busted for selling amateur  
>radios simply capable of out-of-band operation. I suspect that the

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>shops, if they are indeed being busted, are being busted for blatantly  
>selling the radios for non-amateur use.

>  
>In other words, I walk into Mike and Tony's Ham Store and ask for an  
>HT to use on the 154.600 Mhz itinerant frequency. If they say, "Here,  
>use this modified amateur Icom, it'll work", then they've intentionally  
>sold you non-type accepted gear where a type accepted radio is required.

>  
>  
>--

> \* Dana H. Myers KK6JQ | Views expressed here are  
\*  
> \* (310) 337-5136 | mine and do not necessarily  
\*  
> \* dana@locus.com DoD #466 | reflect those of my employer  
\*  
> \* This Extra supports the abolition of the 13 and 20 WPM tests \*

That's what the FCC representative was quoted as saying in the W5YI Report.  
That's the LEGAL reason they were given the NAL.

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Date: 20 Jul 93 09:11:36 est  
From: psinntp!arrrl.org@uunet.uu.net



Subject: TS50  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, royle@tekig6.PEN.TEK.COM (Roy W Lewallen) writes:

[deletions]

>Contrary to popular belief, there is no standard for S-unit size. Here's

I agree with this statement in the sense that there is no \*one, agreed-upon and liberally applied standard.\* To \*me\*, that's the same as saying "there is no standard," because a standard that isn't widely seen and applied as such might as well not exist. (Aside: Multiple simultaneous standards make people lots of money. Check the connectors section of any electronic parts catalog!)

For the record, however, IARU Region 1 adopted the 6-dB-per-S-unit, S9=50-microvolts standard sometime ago. So, ham-politically speaking, there \*is\* an S-meter standard, as non-operative as it may be.

This is the only modificational comment I can think to apply to Roy's posting. I enjoy Roy's words because they lucidly and modernly second my own views and those of my friend By Goodman, W1DX, an assistant technical editor with ARRL for three decades, who wrote pithily on (among other things) the meaninglessness of S meters as absolute indicators. (His correspondent Larson E. Rapp wrote on the allied theme of the strength of signals from rare DX "countries" varies inversely with the number of active hams in those countries.)

Every time I hear someone talk about how accurate an S meter is, I hear that song line: "Trying to make it real compared to what?" Perhaps we should get back to Magic Eye tubes (but GEARVAKf showed how to install one on a TS-940S and calibrate it circumferentially in units and dB over 9...). If so, the 6U5/6G5 has greater range because it's remote-cutoff.

Remembering days when S meters went only to S9+40, I humbly submit that if maxing one of today's S9+60 meters ultimately fails to flatter, we should perhaps drive our meters still harder (another op amp can therefore improve everybody's antennas!) and give our signal reports in rpm.

Regards/WJ1Z

David Newkirk, Senior Asst Tech Editor | voice: 203-666-1541 X280  
American Radio Relay League | fax: 203-665-7531  
225 Main St, Newington CT 06111 USA | net: dnewkirk@arrl.org

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Date: 20 Jul 1993 07:40:41 -0600  
From: orca.es.com!cnn.sim.es.com!moons.sim.es.com!not-for-mail@uunet.uu.net  
Subject: TS50 Illegal!  
To: info-hams@ucsd.edu

Not all Yaesu radios have transmitted out of band out of the box. Examples are FT-208 (old) and FT-23R (also older). The -23 could be modified by removing a solder blob. I don't recall anything about the FT-470 except that the keypad mods made it a very useful radio.

The FT-530 is an exception to the past. I guess Yaesu got tired of the hassle of giving MARS/CAP operators the info separately.

--  
Douglas L. Datwyler, WR70  
Evans & Sutherland Computer Corp.  
preferred e-mail: datwyler@moons.sim.es.com

-----  
Date: 20 Jul 93 14:30:21 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: TS50 Illegal!  
To: info-hams@ucsd.edu

>The lead article in this week's W5YI Report is the story of several

Amateur Radio Newslines also (lead was the commercial content ruling action - but it was too early to have any details).

>If it is illegal to sell these radios, then is it illegal to use them?  
>Is it legal to use a radio which is type accepted for a part of the  
>spectrum it covers, but not the entire spectrum it covers?

Geez, don't nobody tell 'em about things like the Collins KWM-2A/S-Line or the Drake Twins (heck, Drake even made the FS-4!). Or just about all the other rigs on the market.

The newslines tape had something in it about an "anonymous" complaint being filed. Why should the TS-50 be treated any differently than the other radios?

I can't wait for them to go close down ICM or Jan xtals because they sell stuff that can be used in equipment that will make it work on frequencies not assigned to the service the equipment was originally designed for.

Bill wb9ivr

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Date: 20 Jul 93 07:40:27 CDT  
From: usc!cs.utexas.edu!uwm.edu!caen!msuinfo!uchinews!raistlin!timbuk.cray.com!  
walter.cray.com!jwl@network.ucsd.edu  
To: info-hams@ucsd.edu

References <22ebdf\$9fa@orca.es.com>, <1993Jul19.225650.22555@cyphyn.UUCP>,  
<17911@news.duke.edu>ay.  
Subject : Re: TS50 Illegal!

Ah, all of the radios I have ever owned (HF, that is) were capable of being operated outside of the ham bands. Contrary to popular opinion, it is not illegal to do so under certain conditions. All of the MARS stations operate that way and hams have been MARS members for many years, running their amateur stations on the MARS frequencies. I do not think there is any such law that says you can't sell non-type accepted radios that transmit outside of the amateur bands, contrary to what the YI report might have said. There are specific laws governing 11 meter operation by some equipment, but I don't believe there is a general one prohibiting sales of ham gear based solely on its ability to transmit outside of the band.

I'm not a lawyer but I suspect there is more to the story...

Jim. de K4GV0

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Jim Lynch, Sales Analyst, Cray Research, Inc. / ARS: K4GV0  
Southeast District, Phone: (404) 631-2254, Email: jwl@sedist.cray.com  
Suite 270, 200 Westpark Drive, Peachtree City, GA 30269

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Date: 20 Jul 93 12:18:26 GMT  
From: usc!howland.reston.ans.net!agate!msuinfo!netnews.upenn.edu!  
gopher.cs.uofs.edu!bill@network.ucsd.edu  
To: info-hams@ucsd.edu

References <22ar7e\$km9@access.digex.net>,

<1993Jul19.110351.28366@ennews.eas.asu.edu>,  
<CAEyrM.8F5@murdoch.acc.Virginia.EDU>p  
Subject : Re: Order pizza on your autopatch now

Does anyone have a complete copy of the FCC release?? It was said that this change would also allow the use of Amateur Radio more in support of education. Was this included? Or is the real thing so vague that we are going to find ourselves in the same boat we have always been with armchair lawyers poo-pooing everything we try and do. If in fact the rules have been made more reasonable and clear, this may be the opportunity we have needed to start doing things that will garner good PR without having to wait for an earthquake or a flood.

bill KB3YV

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Bill Gunshannon	"There are no evil thoughts, Mr. Rearden" Francisco
bill@cs.uofs.edu	said softly, "except one; the refusal to think."
University of Scranton	
Scranton, Pennsylvania	#include <std disclaimer.h>

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Date: 20 Jul 93 14:32:43 GMT  
From: concert!duke!news.duke.edu!ee.ee.duke.edu!jbs@decwrl.dec.com  
To: info-hams@ucsd.edu

References <22ebdf\$9fa@orca.es.com>, <1993Jul19.225650.22555@cyphyn.UUCP>,  
<1993Jul20.034101.187@porthos.cc.bellcore.com>  
Subject : Re: TS50 Illegal!

In article <1993Jul20.034101.187@porthos.cc.bellcore.com>  
whs70@dancer.cc.bellcore.com (sohl,william h) writes:

>> 1st...sence when has the FCC had to 'type accept' a Ham rig?  
>>That 'type acceptance' is for chicken band gear!

>The FCC does "type acceptance" on "commercial" ham rigs.  
>I don't know when that may have started, but it is the  
>normal process by which new equipment is first checked  
>out before being available.

I don't think the certification that equipment is in compliance with the regulations concerning spectral purity is the same thing as "type acceptance." In my reading of the rules (a fairly recent copy, though not a 1993 copy) I didn't see anything at all indicating that any gear other than external RF amps operating under 144MHz had to be type accepted to be marketed commercially..

-joe

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You spend the night  
Like you were spending a dime  
- Lyle Lovett

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Date: 20 Jul 93 10:43:37 EDT  
From: world!ksr!jfw%ksr.com@uunet.uu.net  
To: info-hams@ucsd.edu

References <22aqud\$2qaa@ilx018.intel.com>, <CADv63.8rF@srngenprp.sr.hp.com>,  
<1993Jul19.104100.16650@anomaly.sbs.com>)  
Subject : Re: QST CD-ROM

kd1hz@anomaly.sbs.com (Rev. Michael P. Deignan) writes:  
>alanb@sr.hp.com (Alan Bloom) writes:  
>>Buckmaster Publishing has every issue of QST back to 1914 on microfiche.  
>>They advertise in QST. I forget the price, but it's not cheap.  
>\$490. Useless unless you have a fichereader, or are blind.

For \$75, they sell a cheap battery operated handheld viewer (which will MAKE  
you go blind :-), and for \$220 a desk model. Your friendly neighborhood  
library might have one, too.

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End of Info-Hams Digest V93 #879  
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